

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

Claim 1 (withdrawn) An apparatus for sampling air comprising:
a collar having an interior and an exterior;
a clamp affixed to said collar; and
a hose fitting affixed to said collar.

Claim 2 (withdrawn) The apparatus according to claim 1 wherein said collar is made in part of aluminum.

Claim 3 (withdrawn) The apparatus according to claim 1 wherein said collar further comprises an upstream end and a downstream end, and wherein said clamp is affixed at the upstream end of said collar and wherein said hose fitting is affixed at the downstream end of said collar.

Claim 4 (withdrawn) The apparatus according to claim 1 further comprising at least one sample port disposed on said collar.

Claim 5 (withdrawn) The apparatus according to claim 1 wherein said collar further defines a lip whereby said lip retains said clamp on said collar while said clamp is free to rotate around said collar.

Claim 6 (withdrawn) The apparatus according to claim 5 further comprising a gasket disposed between said lip and said clamp.

Claim 7 (withdrawn) The apparatus according to claim 1 wherein said hose fitting further comprises a mating surface.

Claim 8 (withdrawn) The apparatus according to claim 1 wherein said hose fitting is affixed to said collar so as to provide a substantially airtight seal therebetween.

Claim 9 (currently amended) An apparatus A system for sampling air that is disposed in a substantially enclosed space and that is received from a high volume air source, the system comprising:

a collar;

a hose having [[two]] a first end and a second end [[ends]], [[a]] the first end adapted to be positioned at [[a]] the high volume air source and a second end affixed to said;

a collar affixed to said hose second end;

a canister affixed to said collar;

a vacuum source; and

tubing having a first end and a second end, said tubing first end coupled to said canister, and

a vacuum source coupled to said tubing second end and configured to draw the air from the high volume air source through the system providing vacuum between said vacuum source and said canister.

Claim 10 (currently amended) The apparatus system according to claim 9, wherein said collar further comprises an upstream end and a downstream end and wherein the second end of said hose is affixed to the collar upstream end and said canister is affixed to the [[the]] collar downstream end.

Claim 11 (currently amended) The apparatus system according to claim 9, wherein said collar is generally hollow and cylindrical in shape.

Claim 12 (currently amended) The apparatus system according to claim 9, wherein said collar sealingly engages with said canister.

Claim 13 (currently amended) The apparatus system according to claim 9, wherein said collar is comprised in part of aluminum.

Claim 14 (currently amended) The apparatus system according to claim 9, wherein said collar is comprised in part of aluminum alloy.

Claim 15 (currently amended) The apparatus system according to claim 9, further comprising at least one sample port disposed on said collar.

Claim 16 (currently amended) A method for sampling air from an enclosed system that receives the air impurities from a high volume air source and that uses an apparatus comprising a hose, a collar, a canister, tubing, and a vacuum source, the hose having a first end and a second end, the first end positioned at the high volume air source, the collar affixed to said hose second end, the canister affixed to said collar, the tubing having a first end and a second end, said first end coupled to said canister, and the vacuum source coupled to said tubing second end and configured to draw the air from the high volume air source through the system, the method comprising the steps of:

gathering placing the system by an air sample at a the high volume air source; and delivering the air sample to a collar;
attaching said collar to a canister; and
pulling a vacuum drawing the air through said system and the tubing to thereby collect an air sample in said canister and to thereby collect impurities in said canister.

Claim 17 (currently amended) The method according to claim 16 further comprising the step of connecting said canister to [[a]] said vacuum source [[pump]] with tubing.

Claim 18 (cancelled).

Claim 19 (original) The method according to claim 16 further comprising the step of reducing the temperature and pressure of the air sample at a pressure reduction vessel.

Claim 20 (cancelled).

Claim 21 (cancelled).

Claim 22 (currently amended) The method according to claim 16 wherein further comprising the step of attaching said collar to [[a]] said canister includes and providing a substantially airtight seal between said collar and said canister.

Claim 23 (original) The method according to claim 16 further comprising the step of sampling air temperature at a sample port.

Claim 24 (original) The method according to claim 16 further comprising the step of sampling air pressure at a sample port.

Claim 25 (original) The method according to claim 16 wherein said hose is affixed to said collar in a substantially airtight seal.